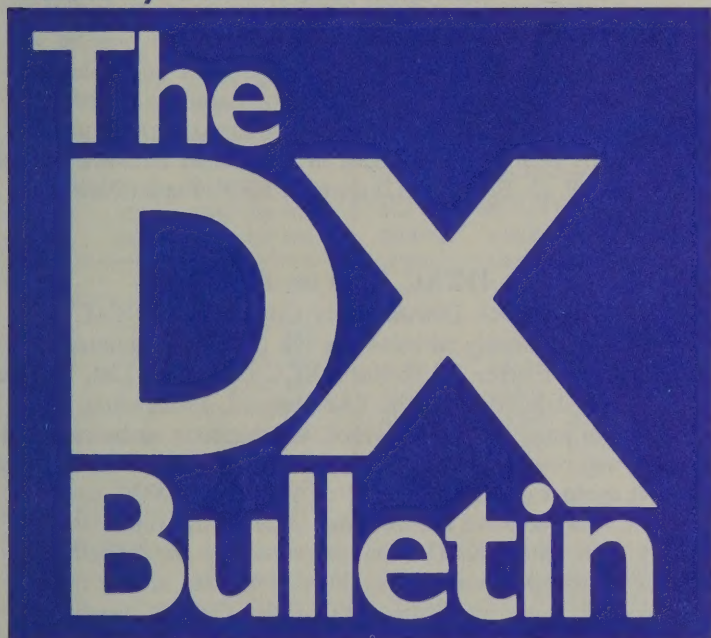


Mellish Reef - VK9 The eight operators of the 1993

Mellish Reef team plan to sail from Bundaberg, Australia, on Sept. 14, arriving at Mellish (OC-072) as early as Sept. 18. They'll operate as **VK4CRR/MM** on 7180 and 14195 kHz enroute. Once up and running, they'll transmit on 1825, 3505, 7025, 10107, 14005, 18077, 21002, 24897, 28005, and 50120 kHz on CW; 1825, 3799, 7123, 14195, 18145, 21295, 24945, 28445, and 50120 kHz on SSB; and 14080 and 21080 kHz on RTTY. Sunrise 1930Z; sunset 0730Z. QSL to Bill Horner **VK4CRR**, 26 Iron St., Gympie QLD 4570, Australia, with SASE/SAE and US\$1/IRCs. Any donations will be gratefully received.

St. Eustatius - PJ8 Dave Rawley **N4XO** will operate as **PJ8DD** (NA-145) Sept. 17-20, mostly CW, including the new bands. QSL via home call.

Edited by Chod Harris **VP2ML**



America's Premier Weekly Amateur Radio Publication

Tristan da Cunha - ZD9 Roger Western **G3SXW** will operate as **ZD9SXW** (AF-029) for three weeks in October, beginning as early as September 30, depending on weather conditions. He'll be on 160-10 meters, including the new bands, on CW only. Try 1833, 3503, 7003, 10103, 14023, 18073, 21023, 24893, and 28023 kHz, listening 1-3 kHz up. Listen for updates from **G3SXW/MM** enroute Sept. 24-27. QSL home address: 7 Field Close, Chessington, Surrey KT9 2QD, England, or via the RSGB (UK) bureau.

Bermuda - VP9 Fred Lucas **K1EFI** will operate **/VP9** (NA-005) Sept. 23-Oct. 5, concentrating on CW. QSL via home address: 72 Long Meadow Hill Road, Brookfield CT 06804.

Reserve Your Island - CQWW RTTY Contest

- **T30GV** will be a multi-op entry from Tarawa (OC-017). Operators Bob Artigo **KN6J/T30RA**, Bob Summers **N6OXR/T30RS**, and Glenn Vinson **W6OTC/T30GV** will be active on CW and SSB outside the test, Sept. 22-27, on 160-10 meters. QSL home calls.
- **V31J** is the contest call of Bob Ave Sr. **W4PGX/V31JW** and Bob Ave Jr. **KB4VHW/V31JV**. 80-10 meters, on CW, SSB, and RTTY outside the test, Sept. 21-Oct. 12. QSL to **KB4VHW**, 3260 Desert St., Pensacola FL 32514.
- **PJ8X**: Jack Reed **WA7LNW** and others will operate from Sint Maarten (NA-145) Sept. 22-27, with activity in both the RTTY test and the SAC SSB test. Outside the tests, they'll concentrate on CW and RTTY. QSL to Bob Johnson **KE7LZ**, 5627 West Hearn Rd., Glendale AZ 85306.
- **3D2VY?**: A Japanese team will operate from Fiji Sept. 23-30, on 160-10 meters. Operators include **JA2s AO XW** **DHG IVY** and **JG2BRI**. QSL to **JR2KDN**.

Shortly Noted

- **9G1XA** has been very workable on the low bands and on the new bands. Try 3505 kHz at 01-05Z, 10103 kHz at 20-23Z, and 14023 or 18072 kHz at 2300Z. QSL to **K0EU**.
- **C6A/N3NCW** Joe Manduke is active from Eleuthera Island (NA-001) to Sept. 20, on 80, 40, and 20-meter SSB nets, and CW. QSL home address: 1351 McCormick Rd., Mechanicsburg PA 17055.
- **5R8DL** (AF-013) is active September 16-21, by Yoshihori Nosaka **JH1CLU**, on 160-10 meters, CW, SSB, and RTTY. QSL to Box 48, Tomakomai, Hokkaido 069, Japan.
- **ZK3DM** is Marcel **ON4QM** on Atafu Atoll (OC-048) until Sept. 20. He then moves to Niue **ZK2** Sept. 28, for 2-3 weeks. QSL **ON4QM** in separate envelopes, please.
- **T32RA** and **T32RS** will operate from Christmas Island (OC-024) in Eastern Kiribati Sept. 28-Oct. 4, on 160-40 meters, by Bob Artigo **KN6J** and Bob Summers **N6OXR** respectively. QSL home calls.
- **FR5ZQ/J** has been noted on 21171 kHz at 1600Z, and 14147 kHz at 1700Z. (OPDX.)
- **5H**: Christoph **HB9HAL** is in Tanzania into the first week of October, says OPDX. No spots yet.
- **SV2ASP** Apollo in Mt. Athos may return to the bands; try 06-1200Z Fridays, Saturdays, and Sundays. (OPDX.)
- **T5/N3HQW** will be active from Somalia for the next six months, on 20, 15, and 10-meter SSB; QSL to **WD4NGB**.
- **ZF2VA** will be active from Cayman Islands (NA-016) Sept. 5-17, by **K6URI**. (**W1AW**.)
- **FK8CP** likes 160 meter at 0800Z; however, don't call him unless he is calling **CQ USA/VE**; he won't answer.
- SSB Net check-ins: 14227 kHz: (11,21Z) **H44/VK3COL** **9V1ZJ** **A22RV** **HS0ZAK** **V51BG** **5V7J**; 14247: (23Z) **3C1TR** **J28BM** **UN7JX** **UZ0AB** **D44BS**.
- RTTY: **9G1XA** has been quite active on 14088± kHz at 0000Z and 21086 khz at 1500Z; QSL **K0EU**. **4X6UO** is also often on 14085 kHz at 0300Z.

Propagation Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
September 1993	Date Flux A K	Date Flux A K
10 High Normal	8/15 91 08/11 2	7/18 100 03/05 2
11 Disturbed	8/16 90 34/66 4	7/19 101 02/05 0
12 Disturbed	8/17 93 33/35 2	7/20 102 12/15 3
13 Low Normal	8/18 92 19/18 2	7/21 105 13/14 2
14 High Normal	8/19 92 13/13 3	7/22 108 11/12 2
15 High Normal	8/20 92 09/07 2	7/23 110 05/07 0
16 High Normal	8/21 95 05/07 0	7/24 106 02/05 0
17 High Normal	8/22 94 04/06 1	7/25 102 02/06 0
18 High Normal	8/23 93 02/05 1	7/26 104 04/05 1
19 High Normal	8/24 91 03/05 1	7/27 103 07/08 1
20 High Normal	8/25 89 02/04 1	7/28 102 05/05 1
21 High Normal	8/26 88 05/06 2	7/29 100 14/13 4
22 Below Normal	8/27 88 16/17 3	7/30 98 05/06 1
23 High Normal	8/28 88 07/09 2	7/31 96 03/06 1
24 High Normal	8/29 90 09/10 1	8/1 100 00/04 0
25 High Normal	8/30 89 03/06 0	8/2 101 01/06 1

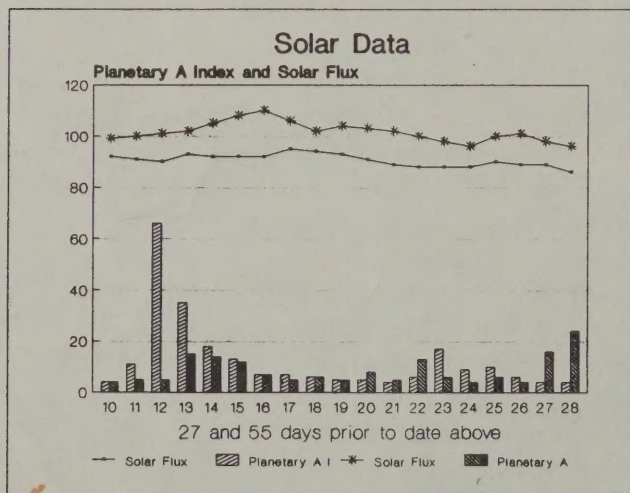
Propagation Watch

Solar activity remains very low, with solar flux closer to 80 than to 100. (A sunspot count of zero is equal to a solar flux count of 66, so 80 is extremely low.) Despite the low activity, seasonal improvement in the bands has provided DX opportunities on the higher bands, with much better propagation on 15 meters.

Openings on 10 meters remain limited to north-south paths, but again are improving slightly. The 12-meter beacon of IK6BAK (24915 kHz) can often be heard in the southeast. If 10 watts into a vertical produces a copiable signal, DXers should be making contacts, but the band is often quiet. It pays to try some directional CQs toward the beacon. Shortening skip on 15 meters suggests rising MUF; try some CQs on 12 in that direction.

The low level of solar activity has also meant a quiet geomagnetic field, and hence improved polar- and long-path openings. Signals tend to be weak, but workable. Whenever the K index is 2 or less, spend some extra time searching for long-haul DX on high-latitude paths.

A recurrent coronal hole may disturb the bands Sept. 11-13; after that, look for improved conditions over the next ten days.



Papua New Guinea Activity Weekend

by Steve Telenius-Lowe P29DX

Papua New Guinea gained independence from Australia on the 16th of September, 1975. To mark the 18th anniversary of independence, and in order to publicize the Papua New Guinea Amateur Radio Society's Bird of Paradise award, there will be a P29 Activity Weekend Sept. 18-19, 1993. All P29 amateurs are being encouraged to get on the air for at least an hour or two this weekend, especially those from the rarer provinces. Suggested frequencies are 3590, 3800, 7190, 14240, 18140, 21190, 21240, 24940, 28440, and 50110 kHz on SSB; and 3530, 7030, 14030, 18080, 21030, 24900, 28030, and 50100 kHz on CW. Sunrise 2012Z; sunset 0810Z.

Papua New Guinea is divided into 19 provinces, plus the National Capital District around Port Moresby, which counts as a separate 'province' for the Bird of Paradise award. To qualify for the award, stations outside of Oceania need to work five P29 stations in at least three different provinces (Oceania stations need seven contacts in five provinces.) The special-event station P29PNG may be substituted for any province. Contacts after 16 September 1975 count. To apply for the Bird of Paradise award, send log extract certified by two fellow amateurs (cards not required) with US\$6, AUS\$8, or equivalent to Dave Immel P29DK, P. O. Box 173, Ukarumpa EHP, Papua New Guinea.

DXAC Vote on Eritrea

The ARRL DX Advisory Committee (DXAC) has voted unanimously to reinstate the previously deleted country of Eritrea E3 to the DXCC Countries List. Eritrea ET2 was deleted from the List Nov. 14, 1962, when Ethiopia annexed the province. Contacts on or before that date will count for the reinstated Eritrea. The DXAC voted 16-0 against establishing Eritrea as a new DXCC country.

The vote on the effective date of the reinstatement was split: nine DXAC members voted for the 'official' date of independence: May 24th, 1993, and six for the 'effective' date: May 24th, 1991. (One DXAC member opted for the date of the vote ratifying independence: April 27, 1993). The DXAC will recommend that Eritrea be removed from the Deleted Countries list and returned to the DXCC Countries list, effective May 24, 1993.

The ARRL Awards Committee in Newington must now either accept this recommendation, or refer it back to the DXAC. **Don't** send Eritrea cards to the DXCC desk yet.

[If the Awards Committee concurs, The October 1992 Henson 9ERITA/TB operation will **not** count for DXCC; Rudi Klos DK7PE's December 1992 9F2CW/a operation will count for Ethiopia, **not** Eritrea. The 1993 E3 operations will count for Eritrea, paperwork permitting. - ed.]

Islands On The Air

■ K5MK/5 will be active from Dernieres Islands (NA-119) Oct. 15-17, on 40-10 meters, including the new bands. Try the IOTA frequencies of 14260, 21260, and 28460 kHz on SSB, and 30 kHz up on CW. Operators are Larry McKay K5MK and Mike Parisey WD0GML. QSL to K5MK direct with SASE or postage, or via the W5 bureau.

B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25

RTTY

4X6UO	14085	0255	31	CA
9A1CCY	14083	1315	28	OJ
9G1XA	14084	0005	27	CA
9G1XA	21087	1515	29	FL
EA8ATE	14091	2320	27	OJ
FR5DX	14086	0330	1	CA
HK0DPA	14090	2233	4	FL
HP1XBH	14081	0510	28	CA
LY2ZZ	14083	1740	2	CA
VP9MZ	14087	0040	31	CA
YB5QZ	14086	1530	31	CA
Z32JA	21090	2120	29	OJ

80 Meters

9G1XA	3505	0040	29	GA
9M2AX	3505	1220	29	OR
HP1XBH	3508	0105	29	GA
JA1HQT	3505	0950	26	NH
SV1AOZ	3507	0402	28	NY
VK7GK	3501	0940	28	NH
ZL4BO	3505	1122	27	NH

75 Meters

CO2PX	3798	1107	27	NH
FK8FU	3795	1130	28	IA
V73C	3800	1115	29	IA
VK3BZM	3798	1014	27	NH
VK5GN	3799	1222	28	OR
YC8SME	3799	1311	18	OR
YS1X	3795	1208	29	OR

40 Meters

7P8SR	7012	0505	28	IA
7Z2AB	7003	0325	27	SC
8J1RL	7006	0008	30	MA
9J2BO *	7004	1505	29	CA
9V1ZE	7003	1145	29	IA
EA6NB	7004	0445	28	OR
ES1WN	7002	0219	2	FL
FG5FR	7020	1048	28	NY
FK8GJ	7003	1233	30	IA
HR1LW	7007	1110	30	OJ
HV4NAC	7095	0110	29	IA
HZ1AB	7001	0240	27	IA
LZ2WA	7027	0316	31	FL
OY1CT	7001	0439	2	MD
P29NB	7168	1215	28	IA
PY0FF	7074	0105	30	IA
PZ1DV	7004	1941	29	OR
SV1AKX	7003	0003	3	FL
T30DP	7006	1305	4	FL
UI8LA	7027	0225	30	FL
VK4XA	7004	1053	28	NY
VK6LW	7003	1248	29	OR
VQ9QM	7005	1233	25	AL
YN/	7001	0246	25	SC
SM0OIG	7003	1104	25	AL
YO3ABL	7027	0211	30	FL

ZA1J	7006	0110	29	FL
ZL2DA	7006	0823	30	NY

30 Meters

4L1AB	10101	2043	30	NH
5B4OG	10104	0110	31	FL
9G1XA	10103	2009	29	NY
9J2BO	10105	0505	22	VA
C31LL	10105	2219	2	FL
D44BS	10100	2021	4	FL
ER1/	10105	0028	30	FL
UB5FDV				
FR5DD	10102	0303	24	VA
IS0OMH	10103	2311	1	FL
RT4UA	10104	0022	22	NH
S92SS	10114	2135	28	GA
T30DP	10106	1242	29	FL
TG9AQ	10102	0208	26	GA
VQ9QM	10105	1222	23	AL
YB6AVE	10102	1138	29	FL
YN/	10103	2306	3	FL
SM0OIG				

20 Meter CW

3B8FG	14009	0339	2	MI
4F2IR	14022	1230	25	MI
4J4JJ	14024	0500	24	CA
4K2BY	14036	0215	31	CA
4L1AB	14028	2141	29	GA
4L8A	14020	2215	1	FL
4L9A	14030	0237	26	SC
4L9A	14039	2010	29	GA
4S7EA	14009	0116	30	FL
4S7WP	14026	2359	24	WI
4S7WP *	14033	1140	27	IA
5Z4FO	14009	0151	24	WI
6W1AE	14010	2345	31	MI
7Z2AB	14004	0405	27	CA
7Z2AB	14027	1635	29	GA
9G1XA	14023	2241	1	FL
9K2ZR	14037	0148	27	GA
BV4CT	14026	1510	29	CA
C91J	14028	0613	28	CA
CN8ST	14008	1900	3	MI
D2EYE	14010	2118	31	MD
EX0M	14025	0225	27	MI
FH/14ALU	14010	1200	27	MI
FR5DD	14018	0345	24	AZ
HS0AC	14023	1330	19	VA
HT1T	14023	1405	4	FL
PZ1DY	14026	0147	28	GA
SU1SK	14026	2240	3	FL
SV5/	14022	2019	29	FL
SM0CMH				
TF3DX	14018	1200	27	IA
TU2MA	14024	0105	28	IA
UA2FDP	14023	0055	2	FL
UA9ADX	14023	0142	30	MI
UC2AGL	14004	1612	25	CA
UD8F	14025	0247	25	WI
UI9AWX	14024	0112	30	FL
UI9AWX	14029	1520	29	CA
UJ8JA	14006	0114	30	FL

UJ8JMM	14014	1756	2	MD
UM8QDX	14022	0215	31	FL
UM8QDX	14012	1415	28	MI
UN7A	14023	2021	29	FL
UN7CBS	14027	0113	27	GA
UO5OCI	14039	1950	4	FL
US77BL	14015	2347	29	FL
UZ2FWA	14011	1059	2	FL
V2/G4DIY	14021	1929	29	FL
V29AQF	14005	0113	30	FL
V85XF	14023	1329	4	FL
VU2BK	14054	0234	30	IA
XQ0YAF	14010	0103	28	CO
YB0ARF	14017	1648	29	MI
YN/	14017	2224	2	FL
SM0OIG				
Z21HN *	14021	1345	29	CA
ZA1J	14026	0141	25	SC
ZA1N	14023	2238	1	FL

20 Meter SSB

3A2LU	14247	2301	24	NH
3C1TR	14226	2310	28	CA
5X1F	14179	2206	22	NS
6K93XPO	14204	0700	25	CA
9G1XA	14200	2322	28	CA
9M8BL	14200	1424	22	WI
9V1ZJ	14227	1408	23	VA
DU7AF	14229	1150	25	NS
FT4WD *	14200	1342	25	VA
H44HA	14165	1220	30	IA
OD5ZZ	14190	2126	23	NS
TU2JL	14196	2305	24	NH
TU2XK	14180	2150	29	IA
XX9GD	14221	1149	25	NS
ZK1AT	14247	0350	31	CA
ZS8MI	14208	1400	25	VA

17 Meter CW

3B8FG	18081	1248	2	MI
3D2CK	18072	0319	25	SC
4J4GMD	18074	1414	28	NH
7P8SR	18073	1606	29	MI
7Q7XX	18070	1533	29	MI
7Z2AB	18076	1720	24	SC
9G1XA	18073	1325	28	MA
9G1XA	18074	2141	24	AL
9K2MU	18080	1858	24	NH
9V1SG	18078	1532	28	MI
CN9R	18072	1644	4	FL
D2EYE	18083	1247	2	MI
HC5AI	18073	2127	3	FL
HP1XBH	18071	2226	31	MI
HV3SJ	18072	1705	28	MI
S92SS	18087	0106	4	FL
S92SS	18088	1915	27	MI
U0AG	18072	0201	25	GA
UC2AAA	18082	1233	25	NS
UN6G	18074	0153	25	WI
V73C	18069	0039	27	MI
VQ9QM	18077	1338	23	NS
XU5WW	18078	1206	26	NH
YI9CW	18073	1758	28	MI

YP7SYO	18075	1308	27	NH
ZB2AZ	18071	1131	24	NS

17 Meter SSB

9G1XA	18117	1947	27	MI
HH2PK	18150	0101	30	MI
J28CN	18129	1754	27	MI
J28RD	18160	1815	23	NS
KH2FT	18130	1317	25	NS
UI8ZAC	18123	1308	24	NS
ZS8MI	18160	1207	25	AL

15 Meter CW

3C1TR	21021	2028	29	MA
9X5DF	21015	1745	29	GA
HK0ER	21021	2211	28	NH
HV3SJ	21019	1935	28	GA
TA1AC	21030	2231	29	FL
UA2FAO	21029	2139	29	GA
UO5ON	21025	2050	29	GA
US77BL	21027	2200	29	GA
VP8COI	21023	1954	30	NH
XQ0YAF	21015	1913	25	CA
YI9CW	21024	1305	25	IA
ZD8SA	21092	2115	21	OH

15 Meter SSB

3C1TR	21255	1420	28	IA
4J4GK	21334	1821	29	WI
5X1A	21345	1930	25	IA
6O0SC	21275	1325	23	NS
7Z1AB	21245	1647	25	NS
9G1XA	21295	1550	29	FL
9K2YF	21262	1348	24	NS
A92BE	21300	1735	29	IA
BY1QH	21227	2335	26	NH
C91AI	21302	1630	28	CA
CN2AQ	21228	2216	29	WI
CN8EC	21258	1520	29	WI
EA9IB	21295	2225	28	CA
ET3YU	21324	1533	26	NH
OD5RAK	21255	1314	23	NS
RM0MR	21200	1229	24	NS
S21A	21295	1352	24	NS
S21B	21208	1317	23	NS
SV1BRL/8	21255	1540	29	WI
US77BL	21013	2224	29	WI
VP9MZ	21290	2240	28	CA
VQ9CE	21315	1529	29	WI
VS6WV	21243	1201	24	NS
YI1MH	21244	1447	26	NH
ZS9A	21333	1359	24	NS

12 Meter CW

9G1XA	24892	2130	25	SC
IK6BAK	24897	2114	25	SC

10 Meter SSB

LU2NI	28493	2320	28	CA
V21BF	28454	2320	29	IA
V73C	28495	2250	28	FL
XE1JP	28496	2240	28	FL

Current and Future DXpeditions

(Changes and hot info in boldface.)

DXCC Country	Prefix Callsign	Dates	Issue
Aland Island	OH0/ OH1EH/OH0	Sept. 11-12	I701
Bahamas	C6a/N3NCW	to sept. 20	I704
Belize	V31 JV JW	Sept. 21-Oct. 12	I704
Bermuda	VP9/K1EFI	Sept. 23-Oct. 5	I704
Cayman Islands	ZF ZF2VA	Sept. 5-17	I704
Chad	TT TT8OBO	14256 kHz 2100Z	I701
Crete	SV9/ OE1NBW	to Sept. 24	I703
Eastern Kiribati	T32 BE, BI	Sept. 8-13	I703
	T32RA RS	Sept. 28-Oct. 4	I704
Ethiopia	ET ET3BH	September	I702
Fiji	3D 3D2VY?	Sept. 23-30	I704
Gambia	C5 C56V	Oct. 28-Nov. 3	I701
Ghana	9G 9G1XA	to mid-Sept.	I703/4
Gibraltar	ZB2/SM4DHF	Sept. 22-28	I702
ITU Headquarters	4U1ITU	Sept.	I700
Iran	EP EX0s	October	I701
Juan de Nova	FR/J FR5ZQ/J	now?	I704
Kuwait	9K2 DL,GS,ZZ	20M 23-03Z	I699
Liechtenstein	HB0/DL1ECU	Sept. 1-11	I695
Macao	XX XX9AS	21177 13Z	I699
Madagascar	5R 5R8DL	Sept. 16-21	I704
Malawi	7Q 7Q7CE	Aug. 15-Sept. 10	I699
Marion Island	ZS8MI	14195 1300Z	I696
Mellish Reef	VK9M	Sept. 19-28	I699/704
Mt. Athos	SV2ASP	active again?	I704
Mozambique	C9 C91A	Sat. PMs 21225	I699
Nauru	C2 TBA	Feb. 23-Mar.2	I697
	C25s?	Sept. 8-13	I703
Niue	ZK2 ZK2DM?	Sept. 28-Oct. 12	I704
Peter I Island	3Y	Feb. 1-17	I685
Pratas Island	BV BV9P	Oct. 6-16	I693/5
St. Maarten	PJ PJ8DD	Sept. 17-20	I704
	by W7s	Sept. 22-27	I704
Somalia	T5/ N3HQW	now active?	I704
Southern Sudan	ST0/PA3CXC	to Sept.	I690
Taiwan	BV 2TA,4CT,7FC	20M CW 1130-15Z	
Tanzania	5H 5H3FOE	July-Oct.	I696
	HB9HAL	Now?	I704
Tokelau	ZK3 ZK3DM	to Sept. 20	I704
Tristan da Cunha	ZD9SXW	Oct. 1-21	I704
Uganda	5X 5X1B	21030 1900Z	I683
Wake Island	KH9	Aug. 31-Sept. 10	I702
Western Kiribati	T30 RA RS GV	Sept. 22-27	I704

Operating Events and DX Gatherings

Dates	Event	Reference:
Sept. 11	W9DXCC Convention	
Sept. 11-12	Worked All Europe SSB Contest	<u>CQ</u>
Sept. 18-19	Scandinavian Activity CW	<u>I703</u>
Sept. 18-19	Papua New Guinea Activity	<u>I704</u>
Sept. 25-26	Scandinavian Activity SSB	<u>I703</u>
Sept. 25-26	CQWW RTTY Contest	<u>CQ</u>
Oct. 30-31	CQWW SSB Contest	<u>CQ</u>
Nov. 27-28	CQWW CW Contest	<u>CQ</u>

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Albania	ZA1J	14026	0145Z
Azerbaijan	4J4GMD	18072	1415Z
Easter Island	XQ0YAF	21012±	1900Z
Ecuador	HC5AI	18073	2130Z Fri.
Franz Josef Land	4K2BY	20M CW	0200Z
Georgia	4L9A	20M CW	2000Z
Greece	SV1AKX	40M CW	0000Z
Ivory Coast	TU2JL	14197	2300Z
Kazakhstan	UN7CBS	20M CW	0100Z
Kazakhstan	UN9M	14020±	0200Z
Kyrgyzstan	EX0M	14022±	0230Z
Latvia	YL3CW	10110	2030Z
Panama	HP1XBH	18073±	1800Z
Reunion Island	FR5DD	10101	0300Z
Rwanda	9X5DF	21015	1800Z



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Sardinia	IS0OMH	10102	2300Z
Sri Lanka	4S7WP	14030±	1145, 00Z
Suriname	PZ1DY	14028±	0145Z
Taiwan	BV4CT	14026	1500Z

Contributors

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